

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
REUSER et al.

Serial No.: not yet assigned

Filed: Dec. 14, 2001



For: **COMPOSITIONS AND METHODS FOR TREATING ENZYME DEFICIENCY**
Continuation Application of USSN 09/770,496, filed January 29, 2001, which is a Continuation-in-Part of USSN 60/001,796 filed August 2, 1995, now U.S. Patent No. 6,118,045, granted September 12, 2000, examined as USSN 08/700,760 filed July 29, 1996 and a Continuation-In-Part of USSN 60/111,291 filed December 7, 1998, now published as WO 00/34451 on June 15, 2000 from PCT application No. US99/29042 filed December 6, 1999.

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office are the following:

- 1) Transmittal Letter;
- 2) Utility Patent Application Transmittal;
- 3) Fee Transmittal;
- 4) Copy of Fee Transmittal;
- 5) Copy of the Application as Filed:
 - 119 Pages Application Consisting of:
 - 87 Pages of Textual Specification
 - 5 Pages of 61 Claims;
 - 1 Page Abstract of the Disclosure;
 - 29 Sheets of Drawings
- 6) Copy of Original Declaration;
- 7) Preliminary Amendment;
- 8) Appendix A;
- 9) Appendix B;
- 10) Early Notification of Serial Number Card; and
- 11) Check No. 15925 in the amount of \$1087.00.

The Commissioner is hereby specifically authorized to charge any fee deficiency or credit any overpayment in connection with this matter to our Deposit Account No. 14-0112.

Respectfully submitted,
NATH & ASSOCIATES PLLC

Date: Dec. 14, 2001
NATH & ASSOCIATES PLLC
1030 15th Street, N.W.
Sixth Floor
Washington, D.C. 20005-1503
(202)-775-8383

Todd C. Juneau
Reg. No. 40,660
Joshua B. Goldberg
Reg. No. 44,126
Customer No. 20529

12/14/01

1131 U.S. PTO

Please type a plus sign (+) inside this box → **+**

PTO/SB/05 (2/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **24414-Y**
First Inventor or Application Identifier **REUSER**
Title **COMPOSITIONS AND METHODS**
Express Mail Label No. _____

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **93**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **29**]
4. ☒ Oath or Declaration [Total Pages **4**]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
(Note Box 5 below)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Small Entity Statement(s) ☒ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Other: _____

* NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.37), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.35).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: **09,770,496**
Prior application information: Examiner _____ Group / Art Unit: **1646**

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name **Nath + Associates PLLC**
Address **1030 Fifteenth Street, NW**
Sixth Floor
City **Washington** State **DC** Zip Code **20005-1503**
Country **USA** Telephone **(202)775-8383** Fax **(202)775-8396**

Name (Print/Type) **Todd L. Jurean** Registration No. (Attorney/Agent) **40,664**
Signature **Todd L. Jurean** Date **Dec 14, 2001**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</p>	Complete if Known	
	Application Number	
	Filing Date	
	First Named Inventor	REUSER
	Examiner Name	
Group / Art Unit	1640	
Attorney Docket No.	24414-Y	
TOTAL AMOUNT OF PAYMENT (\$)		

<h3 style="text-align: center; margin: 0;">METHOD OF PAYMENT (check one)</h3> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <u>14-0112</u></p> <p>Deposit Account Name _____</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <h3 style="text-align: center; margin: 10px 0;">FEE CALCULATION</h3> <p>1. BASIC FILING FEE</p> <table style="width: 100%; font-size: small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>790</td> <td>201</td> <td>395</td> <td>Utility filing fee</td> <td>370</td> </tr> <tr> <td>106</td> <td>330</td> <td>206</td> <td>165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>540</td> <td>207</td> <td>270</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>790</td> <td>208</td> <td>395</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1) (\$)</td> <td>370</td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; font-size: small;"> <thead> <tr> <th colspan="2">Total Claims</th> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>67</td> <td>-20** =</td> <td>47</td> <td>x</td> <td>9</td> <td>=</td> <td>423</td> <td></td> </tr> <tr> <td>10</td> <td>-3** =</td> <td>7</td> <td>x</td> <td>42</td> <td>=</td> <td>294</td> <td></td> </tr> <tr> <td colspan="5">Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table style="width: 100%; font-size: small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>22</td> <td>203</td> <td>11</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>82</td> <td>202</td> <td>41</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>82</td> <td>209</td> <td>41</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>22</td> <td>210</td> <td>11</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2) (\$)</td> <td>717</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	101	790	201	395	Utility filing fee	370	106	330	206	165	Design filing fee		107	540	207	270	Plant filing fee		108	790	208	395	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1) (\$)					370	Total Claims		Extra Claims		Fee from below		Fee Paid		67	-20** =	47	x	9	=	423		10	-3** =	7	x	42	=	294		Multiple Dependent								Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	103	22	203	11	Claims in excess of 20		102	82	202	41	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	82	209	41	** Reissue independent claims over original patent		110	22	210	11	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)					717	<h3 style="text-align: center; margin: 0;">FEE CALCULATION (continued)</h3> <p>3. 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121	270	221	135	Request for oral hearing																																																																																																																																																																																																																																																																																																																	
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																																																	
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																																																	
141	1,320	241	660	Petition to revive - unintentional																																																																																																																																																																																																																																																																																																																	
142	1,320	242	660	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																																																	
143	450	243	225	Design issue fee																																																																																																																																																																																																																																																																																																																	
144	670	244	335	Plant issue fee																																																																																																																																																																																																																																																																																																																	
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																																	
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																																																	
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																																	
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																																																	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																																	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																																	
Other fee (specify) _____																																																																																																																																																																																																																																																																																																																					
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SUBTOTAL (3) (\$)																																																																																																																																																																																																																																																																																																																					

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Todd L. Juneau	Reg. Number	40,669
Signature	<i>Todd L. Juneau</i>	Date	Dec. 14, 2001
		Deposit Account User ID	